Monitoring Data Record

Project Title: R-619EI (NC 281) COE Action ID: 200430595						
Stream Name: <u>UT West Fork of French Broad River (Site 17)</u> DWQ Number: <u>3498</u>						
City, County and other Location Information: Transylvania County, NC 281 (Sta. 114+75 to						
115+65), site is located approx. 1,050 feet east of Slick Fisher Road (SR 1306)						
Date Construction Completed: Completed construction on the channel change on May 22, 2008						
and completed planting on May 25, 2010 Monitoring Year: (2) of 5						
Ecoregion: 8 digit HUC unit 06010105						
USGS Quad Name and Coordinates:						
Rosgen Classification: B						
Length of Project: 90' Urban or Rural: Rural Watershed Size:						
Monitoring DATA collected by: M. Green and J. Young Date: 6/29/11						
Applicant Information:						
Name: NCDOT Roadside Environmental Unit						
Address: 1425 Rock Quarry Rd, Raleigh, NC 27610						
Telephone Number: (919) 861-3772 Email address: mlgreen@ncdot.gov						
Consultant Information:						
Name:						
Address:						
Telephone Number: Email address:						
Project Status:						
Monitoring Level required by COE and DWO (404 permit/ 401 Cert.): Level 2						
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If required to complete Level 3 monitoring <u>only</u> stop here; otherwise, complete section 2.

Attach plan sheet indicating reference photos. Identify specific problem areas (missing, stressed, damaged or dead plantings): Estimated causes, and proposed/required remedial action: ADDITIONAL COMMENTS: Planted vegetation along the streambank consisted of pink azalea, yellow root, dog hobble, red oak, and rhododendron. Other vegetation noted onsite consisted of briars, sedge, lespedeza, juncus, jewelweed, alder, black willow, multi-flora rose, and blackberry. NCDOT proposes to discontinue plant survival monitoring at this site.

Section 2. PLANT SURVIVAL

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. <u>Physical measurements of channel stability/morphology will not be required.</u> Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

UT to West Fork of French Broad River (Site 17) is stable for the Year 2 Summer evaluation.	NCDOT proposes to
discontinue channel stability monitoring at this site.	
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Date	Station	Station	Station	Station	Station
Inspected	Number	Number	Number	Number	Number
Structure					
Type					
Is water					
piping					
through or					
around					
structure?					
Head cut or					
down cut					
present?					
Bank or scour					
erosion					
present?					
Other					
problems					
noted?					

Section 4. <u>DEBIT LEDGER</u>

The entire UT West Fork French Broad River stream mitigation site was used for the R-0619EI project to compensate for unavoidable stream impacts.

UT West Fork French Broad River (Site 17)



Photo Point #1 (Downstream)



Photo Point #2 (Upstream)



Photo Point #3 (Upstream)



Photo Point #2 (Downstream)



Additional Photo of a Crossvane

Year 2 Summer – June 2011